Amendments to the Claims

Please amend the claims as follows:

1-8. (Canceled)

9. (Currently Amended) A method of processing data in a receiver apparatus used in a wireless communication system, the receiver apparatus comprising a medium access control (MAC) layer and a radio link control (RLC) layer for processing data units, the method comprising the steps of:

communicating a data unit and a cyclic redundancy code (CRC) check result associated with the data unit from the MAC layer to the RLC layer;

determining in the RLC layer that the CRC check result indicates the data unit has an error; and

processing the data unit in accordance with one of a first manner and a second manner, the selection of one of the first manner and the second manner based upon at least an operation mode,

wherein the second manner comprises ~~checking whether an error handling scheme has been provided~~ checking whether a delivery of the data unit having the error has been configured and either delivering the data unit to an upper layer if the delivery of the data unit is configured or discarding the data unit if the delivery of the data unit is not configured.

10. (Original) The method of claim 9, wherein the data unit is processed in the first manner if the operation mode is one of unacknowledged mode (UM) and acknowledged mode (AM).

11. (Original) The method of claim 9, wherein the data unit is processed in the second manner if the operation mode is transparent mode (TM).

12. (Original) The method of claim 9, wherein the first manner comprises discarding the data unit in the RLC layer.

13-17. (Canceled)

18. (Original) The method of claim 9, wherein the data unit received from the MAC layer does not include a header information associated with the MAC layer.

19. (Original) The method of claim 9, wherein the data unit received from the MAC layer is associated with a logical channel that is mapped in a 1:1 ratio with a transport channel.

20. (Currently Amended) A receiver apparatus for processing data in a wireless communication system, the receiver apparatus comprising:

a medium access control (MAC) layer that transfers a data unit and a cyclic redundancy code (CRC) check result associated with the data unit; and

a radio link control (RLC) layer in communication with the MAC layer, the RLC layer receiving from the MAC layer the data unit and the CRC check result, wherein the RLC layer examines the CRC check result sent from the MAC layer that indicates whether the data unit has an error, and processes the data unit in accordance with one of a first manner and a second manner, the selection of one of the first manner and the second manner based upon at least an operation mode,

wherein the second manner comprises checking whether a delivery of the data unit having the error has been configured and either delivering the data unit to an upper layer if the delivery of the data unit is configured or discarding the data unit if the delivery of the data unit is not configured ~~an error handling scheme has been provided,~~

~~wherein the error handling scheme comprises delivery of an instruction associated with an erroneous SDU,~~

~~wherein the instruction indicates one of deliver an erroneous SDU to a higher layer with an error indication, discard the erroneous SDU, and deliver the erroneous SDU to a higher layer without an error indication~~.

21-28. (Canceled)

29. (Currently Amended) A method of processing data in a receiver apparatus used in a wireless communication system, the receiver apparatus comprising a physical layer and a medium access control (MAC) layer for processing data units, the method comprising the steps of:

communicating a data unit and a cyclic redundancy code (CRC) check result associated with the data unit from the physical layer to the MAC layer;

determining in the MAC layer that the CRC check result indicates the data unit has an error;

examining the data unit for presence of header information associated with a MAC header; ~~and~~

discarding the data unit if the header information is present; ~~and~~

checking whether a delivery of the data unit having the error has been configured, and either delivering the data unit to an upper layer when the delivery of the data unit is configured or discarding the data unit when the delivery of the data unit is not configured, ~~an error handling scheme is provided~~ if the header information is not present.

~~wherein the error handling scheme comprises an instruction associated with delivery of an erroneous SDU,~~

~~wherein the instruction indicates one of deliver an erroneous SDU to a higher layer with an error indication, discard the erroneous SDU, and deliver the erroneous SDU to a higher layer without the error indication.~~

30-34. (Canceled)

35. (Currently Amended) A method of processing data by a radio link control (RLC) entity, the method comprising:

receiving the RLC data unit having a cyclic redundancy code (CRC) error; and

selectively processing the RLC data unit having the CRC error in one of a first manner and a second manner,

wherein the first manner is performed when the RLC entity is in non-transparent mode, such that the RLC data unit is discarded, ~~the first manner comprising discarding the RLC data unit,~~ and

wherein the second manner is performed when the RLC entity is in transparent mode, and comprises determining whether a delivery of the RLC data unit having the CRC error has been configured, such that the RLC data unit is either further processed or discarded based on the determining step. ~~the second manner comprising one of further processing the RLC data unit and discarding the RLC data unit.~~

36. (Previously Presented) The method of claim 35, the second manner further comprises processing RLC data unit when an instruction associated with a delivery of erroneous service data units (SDUs) is configured.

37. (Previously Presented) The method of claim 36, wherein further processing the RLC data unit comprises at least one of delivering the RLC data unit together with an error indication to a higher protocol layer, discarding the RLC data unit, and delivering the RLC data unit without the error indication to a higher protocol layer.

38. (Previously Presented) The method of claim 36, wherein further processing the RLC data unit comprises:

checking the CRC error information transferred together with the RLC data unit when the delivery of erroneous SDUs is not set; and

immediately discarding the RLC data unit when the RLC data unit contains an error.

39. (Previously Presented) The method of claim 36, wherein further processing the RLC data unit comprises:

checking the CRC error information transferred together with the RLC data unit, when delivery of erroneous SDUs is set; and

informing an upper layer that the data unit contains an error when transmitting the RLC data unit to the upper layer.

40. (Previously Presented) The method of claim 36, wherein further processing the RLC data unit comprises processing the RLC data unit containing the error as a normal data unit and transferring the processed data unit to the upper layer without checking the CRC error information received together with the RLC data unit when the delivery of erroneous SDUs is set as "no detect."

41. (Previously Presented) The method of claim 35, further comprising modifying the RLC data unit to support an adaptive multi-rate (AMR) codec processing.

42. (Previously Presented) The method of claim 35, wherein the RLC data unit is received from a lower layer in the form of a RLC protocol data unit (PDU).

43. (New) The method of claim 9, wherein the data unit having the error is an erroneous Service Data Unit (SDU).

44. (New) The apparatus of claim 20, wherein the data unit having the error is an erroneous Service Data Unit (SDU).